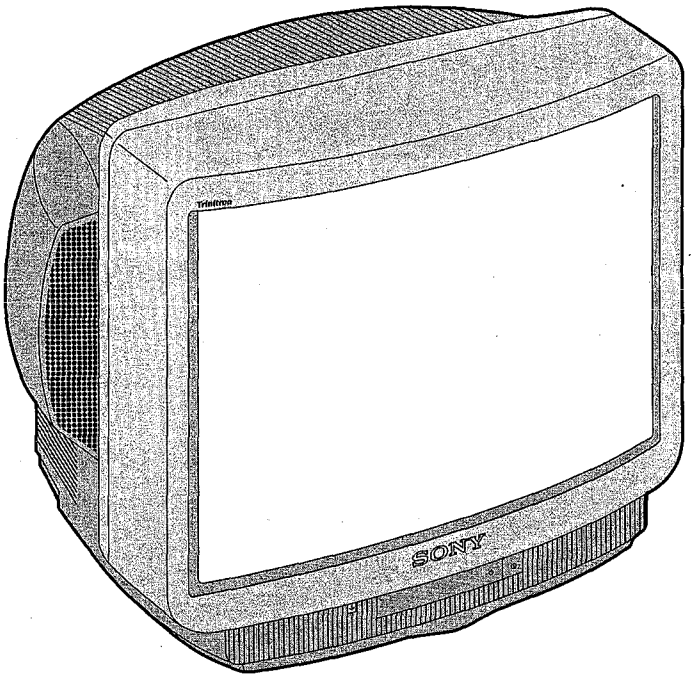
SONY

KV-X2102U
KV-X2102L

Operating Instructions GB



Trinitron Colour Television

HiBlack **Trinitron**

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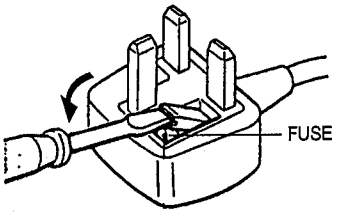
NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience.
Should the fuse in the plug supplied need to be replaced, a 5 AMP fuse approved by ASTA or BSI to BS 1362 (i.e. marked with ⓐ or ♡) must be used.
When an alternative type of plug is used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be protected by a 5 AMP FUSE at the distribution board.
If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.



How to replace the fuse Open the fuse compartment with a blade screwdriver, and replace the fuse.

● **IMPORTANT**

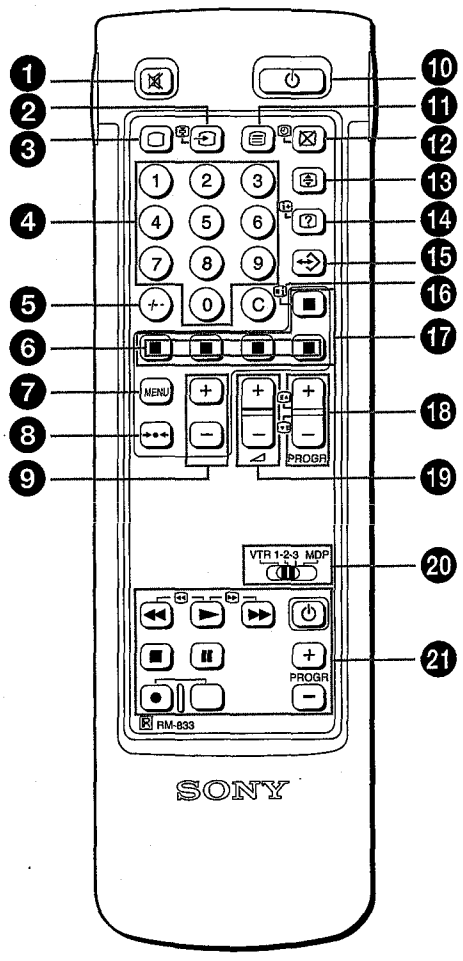
If the plug supplied is not suitable for the socket outlets in your home, it should be cut off and an appropriate plug fitted in accordance with the following instructions:
The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

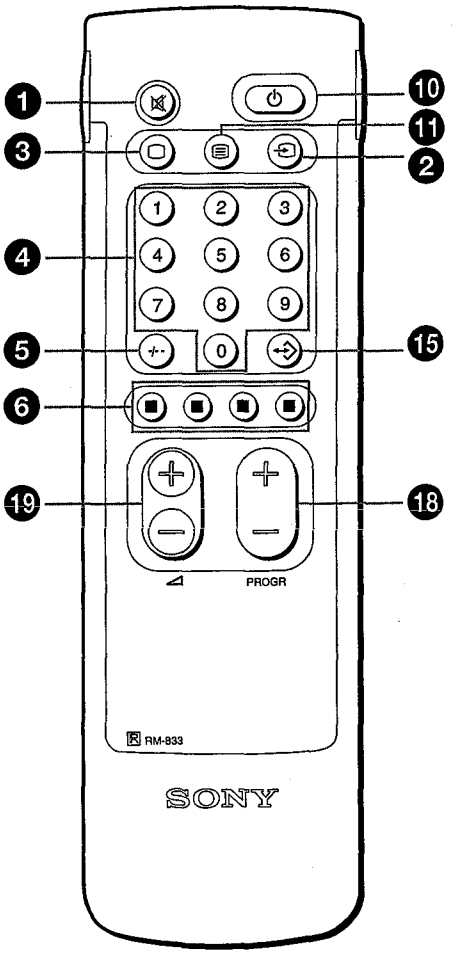
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green and yellow.

WARNING

- To prevent shock hazard, do not insert the plug cut off from the mains lead into a socket outlet. This plug cannot be used and should be destroyed.
- To prevent fire or shock hazard, do not expose the unit to rain or mositure.
- Dangerously high voltages are present inside the set. Do not open the cabinet. Refer servicing to qualified personnel only.



Full-Function Side



Simple Side

Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.
Dangerously high voltages are present inside the set. Do not open the cabinet.
Refer servicing to qualified personnel only.

Safety Information

All TV's operate on extremely high voltages. To prevent fire or electric shock, please follow the safety procedures below.
For your protection, refer all servicing to qualified personnel only.

For General Safety:

- Do not expose the TV to rain or moisture.
- Do not open the rear cover.

For Safe Installation:

- Do not block the ventilation openings.
- Do not install the TV in hot, humid, or excessively dusty places.
- Do not install the TV where it may be exposed to mechanical vibrations.

For Safe Operations:

- Do not operate the TV on anything but 220–240 V AC.
- Do not operate the TV if any liquid or solid object falls in it - have it checked immediately.
- Do not keep the set plugged in if you are not going to use it for several days
- Do not pull on the power cord to disconnect the TV. Pull it out by the plug.

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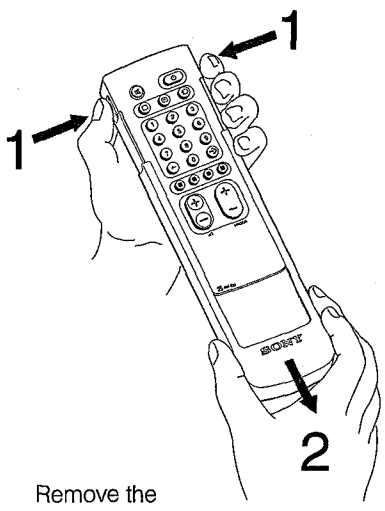
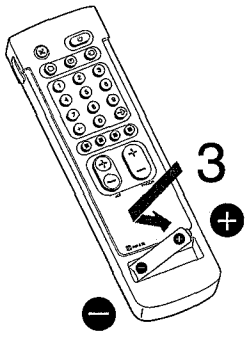
Getting Started

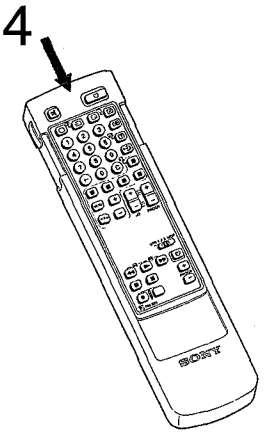
Inserting the Battery Into the Remote Commander



Remove the cover.



Check the correct polarity.

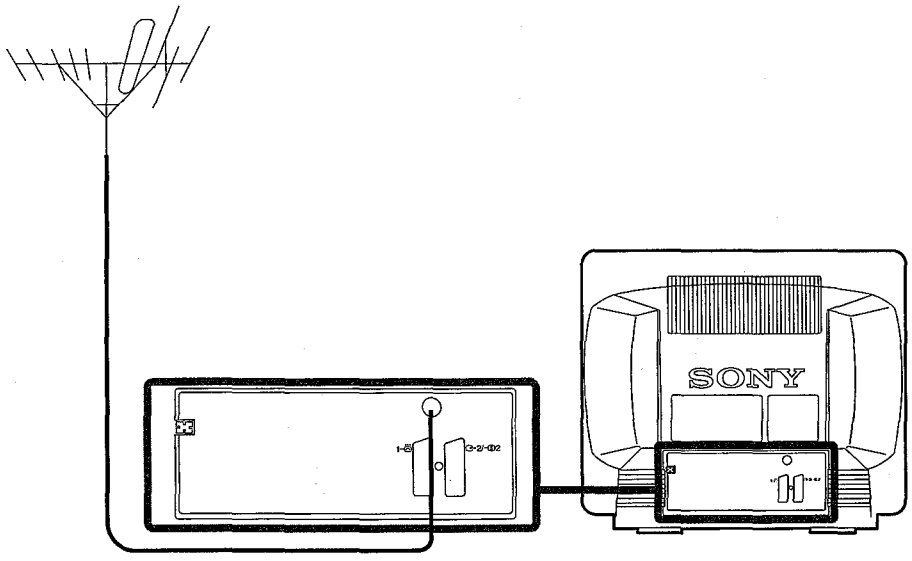


Refit the outside cover making sure that the Full Function side is visible.

About Battery Life
Under normal operation, a battery will last up to half a year.

Connecting the Aerial

Connect the aerial to the TV socket at the rear of the TV.
(cable not supplied)



Choosing a Language

(See inside of front cover and back cover)

1 Depress ⏻ A on the TV.
The TV turns on. If the standby indicator B on the TV is lit, press ▭ ❸ or any number button ❹ on the Remote Commander.

2 Press MENU ❼ on the Remote Commander.
The SELECT LANGUAGE screen appears. MENU

3 Press one of the colour buttons ⓱ on the Remote Commander to select a language (Press the white button ⓱ to display other language alternatives). The SELECT LANGUAGE screen clears and all subsequent menus appear in the chosen language.

SELECT LANGUAGE
▶ENGLISH
• DEUTSCH
• FRANÇAIS
• ESPAÑOL
• MORE

SELECT COL. BUTTON

Note: From the second time when you turn on the TV, the MENU screen appears instead of the SELECT LANGUAGE screen. Press the yellow button ⓱ then press the white button ⓱ to redisplay the SELECT LANGUAGE screen.

Tuning in to Channels

You can tune in up to 60 channels to programme positions either automatically or manually.

auto tuning:	A single button press allows all receivable channels to be tuned. Use if you are unfamiliar with the channel numbers of stations.
manual tuning:	Use if you are familiar with the channel numbers of stations. (Channel numbers from the main UK transmitters are shown on page 16).

Choose the more appropriate way for you.

Tuning in to Channels Automatically

There are two possibilities for auto tuning;

A. On the TV: hold down ▶▶□ E on the front of the TV for 2 seconds
(All receivable channels are tuned in the order noted below).

or

B. On the Remote Commander: as follows

1 Press MENU ❼.

2 Press the white button ⓱.

3 Hold down the red button ⓱ for 2 seconds,

Note: Press the green button ⓱ to cancel.

Channels are automatically stored as follows:

	KV-X2102U	KV-X2102L
Programme 1	BBC1	RTE1
Programme 2	BBC2	RTE2
Programme 3	ITV	BBC1
Programme 4	CH4 or S4C	BBC2
Programme 5	–	ITV
Programme 6	–	CH4 or S4C

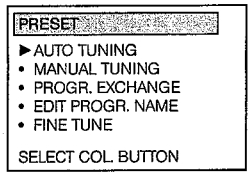
Note: Programme names are automatically taken from TELETEXT if available. If not, "- - - - -" is placed in the name.

- If you connect a VCR via the aerial cable, set the VCR to its test signal or play mode before auto-tuning.
- You may have to exchange the programme positions, if there are duplicated signals from local transmitters.

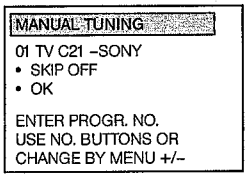
Tuning in to Channels Manually

1 Press MENU ❼.
The MENU screen appears.

2 Press the white button ⓱ to select PRESET.
The PRESET screen appears.



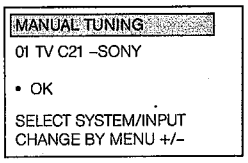
3 Press the green button ⓱ to select MANUAL TUNING
The MANUAL TUNING screen appears.



4 Press the number buttons ❹ or MENU +/– ❾ to select a programme position.
If you use the number buttons ❹, enter a double-digit number. (e.g. for programme number 4, first press 0, then 4)

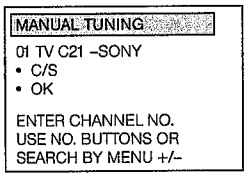
5 Press the green button ⓱.

Note: Use MENU +/– ❾ to select "TV".
You can alternatively select input sources which may be assigned to programme positions.
The display changes as follows:
TV ➡ AV1 ➡ RGB ➡ AV2 ➡ YC2 ➡ AV3 ➡ YC3



6 Pess the green button ⓱.

Note: If a video input source is selected in step 5, this is now stored.
Refer to step 4 to tune other programme positions.



7 (KV-X2102L only). Press the red button ⓱ to select C (regular channel) or S (cable channel).

8 Press the number buttons ❹ or MENU+/– ❾ to select the channel number.
If you use the number buttons ❹, enter a double-digit number. (e.g. for channel 23, first press 2, then 3)

9 Press the green button ⓱ to store.

Note: If you want to preset other channels, repeat steps 4 to 9.

10 Press MENU ❼ twice to return to the normal screen.

Note: You can skip unused programme positions when selecting programmes with the PROGR +/– buttons ⓲.
Press the red button ⓱ to skip in step 4. However, the skipped programmes may still be called up when you use the number buttons.

Basic TV Operations

Turning the TV on and off

Turning on
Depress ⏻ A on the TV.

Turning off temporarily
Press ⏻ ⓾ on the Remote Commander.
The TV enters standby mode and the standby indicator B on the front of the TV lights up.

Turning on again
Press ▭ ❸, PROGR +/– ⓲, or one of the number buttons ❹ on the Remote Commander.

Turning off completely
Depress ⏻ A on the TV.
Note: It is recommended to use ⏻ A to turn off the TV. This could help you save energy.

Selecting TV Programmes

Press PROGR +/– ⓲ or press the number buttons ❹.

To select a double-digit number
Press -/-- ❺, then the number buttons ❹.

Adjusting the Volume

Press VOL +/– ⓳.

Muting the Sound

Press 🔇 ❶
To resume normal sound, press 🔇 ❶ again.

Displaying the On-screen Indications

Press i+ ⓮ once to display the on-screen indications.
Press again to make the indications disappear.

Note: If NICAM is transmitted regardless of whether it is stereo or mono, the two speaker symbol automatically appears on the screen for several seconds.

Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can adjust or select the functions as follows:
Press VOL +/– D to adjust the volume.
Press P +/– C to select programme numbers or to turn the TV on from the standby mode.
Press ⏎ F to select the input source.
Press ⏭ E to preset channels automatically.

Advanced TV Operations

Operating the Menu System

You can adjust picture and sound, preset channels to programme positions and utilise other convenient features by using the following menu system.

Press:	to:
1 MENU ❼ (MENU)	enter the MENU screen
2 a colour button ⓱ (■)	select an item you want to change (The selected item is marked by a triangle.)
3 MENU +/– ❾ (+) (–)	change (or adjust) the contents of the item
4 MENU ❼	return to the MENU screen
5 MENU ❼ again	return to the normal screen
Press MENU ❼ once or twice whenever you want to return to the normal screen.	

Note: When selecting menus, the picture becomes darker. If, however, an item in the PICTURE ADJUSTMENT menu is selected, normal level of TV picture is restored to allow the best adjustment.

Adjusting the Picture and Sound

Although picture and sound are adjusted at the factory you can adjust them to suit your own taste.

1 Press MENU ❼.
The MENU screen appears. (MENU)

2 Press the red button ⓱ to select PICTURE or the green button ⓱ to select SOUND.

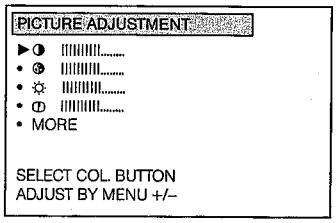
3 Press the respective colour button ⓱ to select an item.

4 Press MENU +/– ❾ to adjust.

5 Press MENU ❼ twice or wait until the menu displays disappear automatically to return to the normal screen.

PICTURE ADJUSTMENT

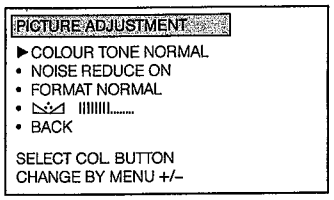
(First Page)



Press colour button	Effect
Red: For Picture ◑	Less —+— More
Green: For Colour ◔	Less —+— More
Yellow: For Brightness ☼	Darker —+— Brighter
Blue: For Sharpness ◫	Softer —+— Sharper
White:	Next page of PICTURE ADJUSTMENT

PICTURE ADJUSTMENT

(Second Page)

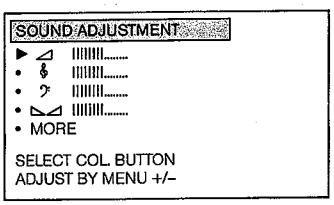


Press colour button	Effect
Red: For Colour Tone	Normal ⇨ Warm (reddish colour tone) ⇨ Cool (blueish colour tone)
Green: For Noise Reduce	ON: Reduces picture noise (in case of low signal level) OFF: Normal setting
Yellow: For Format	Normal: Normal setting 16:9 Wide screen effect
Blue: For Hue control (only for NTSC video signals)	Reddish —+— Greenish
White:	Back to first page of PICTURE ADJUSTMENT

Note: Press →•← ❽ on the Remote Commander to reset to the factory preset levels for picture and sound.

SOUND ADJUSTMENT

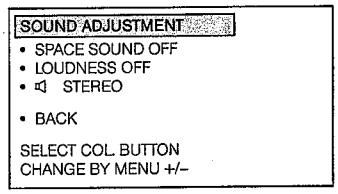
(First Page)



Press colour button	Effect
Red: For Volume	Less —+— More
Green: For Treble	Less —+— More
Yellow: For Bass	Less —+— More
Blue: For Balance	More left – more right
White:	Next page of SOUND ADJUSTMENT

SOUND ADJUSTMENT

(Second Page)



Press colour button	Effect
Red: For Space Sound	OFF: normal sound ON: for a special acoustic sound effect
Green: For Loudness	OFF: normal sound ON: when listening to low volume sound
Yellow: For Stereo/NICAM	Stereo ⇨ Mono A (left channel) ⇨ Mono B (right channel) ⇨ Mono
White:	Back to first page of SOUND ADJUSTMENT

Note: Press →•← ❽ on the Remote Commander to reset to the factory preset levels for picture and sound.

Using Special Features

With your TV you can utilise special features such as Parental Lock or Sleep Timer.

1 Press MENU ❼.
The MENU screen appears.

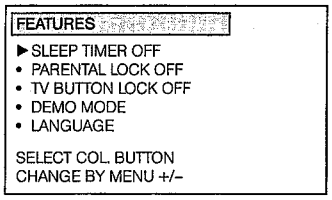
2 Press the yellow button ⓱ to select FEATURES.

3 Press the respective colour button ⓱ to select an item.

4 Press MENU +/– ❾ to change.

5 Press MENU ❼ twice or wait until the menu displays disappear automatically to return to the normal screen.

FEATURES



Press colour button	Effect
Red: For Sleep Timer (Automatic switch off function)	OFF ⇨ 0:30 ⇨ 1:00 ⇨ 1:30 ⇨ 2:00 (hours) After the selected time the TV set switches itself automatically into standby mode.
Green: For Parental Lock (For preventing children from watching programmes which you consider unsuitable)	OFF: Normal setting ON: The TV-channel you are watching is now blocked. In this way you can prevent undesirable broadcasts from appearing on the screen.
Yellow For TV Button Lock	OFF: Normal setting ON: The buttons on the TV do not function anymore. (The Remote Commander still operates)
Blue: For Demo Mode	ON: A sequence of menu pictures is displayed. Press any button on the Remote Commander to stop the function.
White: For Language	The SELECT LANGUAGE screen appears.

Advanced Presetting Functions

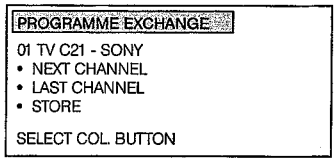
Exchanging Programme Positions

You can exchange the programme positions to a preferred order (example: exchange programme 09 (channel C21) with programme 15 (channel C24).

1 Press MENU ❼.
The MENU screen appears

2 Press the white button ⓱.
The PRESET screen appears.

3 Press the yellow button ⓱.
The PROGRAMME EXCHANGE SCREEN appears.



4 Press the white button ⓱ repeatedly until the desired programme number (09) appears.

5 Press the red or the green button ⓱ repeatedly until the desired channel number (C24) appears.

6 Press the white button ⓱ to store.
Now exchange has been completed. Channel C24 is tuned in to programme 09 and channel C21 is tuned in to programme 15.

7 Press MENU ❼ twice to return to the normal screen.

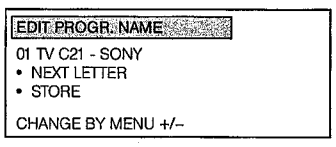
Editing Programme Names

You can edit the programme names up to five letters.

1 Press MENU ❼
The MENU screen appears.

2 Press the white button ⓱.
The PRESET screen appears.

3 Press the blue button ⓱.
The EDIT PROGR. NAME screen appears.
The first character flashes.



4 Press MENU +/– ⑨ to edit the first letter.
The first letter changes as follows
A ⟷ B ⟷ ... ⟷ Z ⟷ 1 ⟷ ... 9 ⟷ "–" (space).

5 Press the red button ⑰ to move to the next letter.

6 Repeat steps 4 to 5, until the fifth letter is chosen.

7 Press the green button ⑰.
The programme name is stored, and the normal screen appears. To edit another programme name, repeat steps 1 to 7.

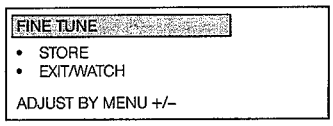
Fine Tuning

You can adjust the receiving conditions by the FINE TUNE function.

1 Press MENU ⑦
The MENU screen appears. (MENU)

2 Press the white button ⑰.
The PRESET screen appears.

3 Press the white button ⑰ again.
The FINE TUNE screen appears.



4 Press MENU +/– ⑨ to adjust the receiving condition.

5 Press the red button ⑰ to store the adjustment, or press the green button ⑰ not to store.
Now the normal screen appears. If you have pressed the green button, the fine tuned condition is cancelled once you choose another programme.

Note: If the FINE TUNE screen disappears automatically before you press the red button ⑰, the fine tuned condition is not stored. Repeat steps 1 to 5.

Tuning in to a Channel Temporarily

You can tune in to a channel temporarily, even when it has not been preset.

1 Press C ⑯ on the Remote Commander.
The indication "C" appears on the screen.

Note: (KV-X2102L only)
For cable channels press **C** ⑯ twice. The indication "S" appears on the screen.

2 Enter a double digit channel number using the number buttons (e.g. for channel 23, first press 2, then 3).
The channel appears.
However, the channel is not stored.

Teletext Operation

TV stations broadcast teletext programmes via the TV channels. For basic operation of teletext, use the simple side of the Remote Commander. For the advanced features of teletext, use the buttons indicated in green on the full function side of the Remote Commander.

Basic Teletext Operation

Switching Teletext on and off

1 Select the channel which carries the teletext service you wish to view.

2 Press ⊜ ⓫ to display Teletext.
If no teletext signal is broadcast, the indication P100 is displayed on a black screen.

3 Input three digits for the page number using the number buttons ❹.
The numbers are displayed on the screen and the requested page appears in a few seconds.
Note: If you make a mistake, type in any three digits, then re-enter the correct page number.

4 Press ▢ ❸ to return to the TV mode.

Notes:
- To change the teletext channels. First press ▢ ❸ to return to the TV mode, then repeat steps 1 to 3.
- If the signal of a TV channel is weak, teletext errors may occur.

Advanced Teletext Operation

Using Fastext

With Fastext you can access pages with one button press. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons ❻ on the Remote Commander.
Press the corresponding colour button ❻ on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed in a few seconds.

Requesting the Index page

Press ⊟ ⓱. The Index page appears.

Accessing the next or preceding page

Press ⊟ (PAGE –) or ⊟ (PAGE +) ⓲. The next or the preceding page appears on the screen.

Superimposing the teletext display on the TV picture

Press ⊜ ⓫ once if you are in text mode or press ⊜ ⓫ twice if in TV mode.
To return to the normal teletext display press ⊜ ⓫ again.

Preventing a teletext page from being updated or changed

Press ⊜ (HOLD) ❷. The HOLD symbol (⊜) appears on the screen and the selected subpage is held until you press ⊜ ⓫ to cancel.

Enlarging the teletext display

Press ⊟ ⓭ once to enlarge the upper half. Press twice to enlarge the lower half. Press again to restore the normal display.

Revealing concealed information (e.g. answers to a quiz)

Press ⊡ (REVEAL) ⓮. The information is revealed. Press ⊡ ⓮ again to conceal the information.

Watching TV while waiting for a requested page to be displayed

1 Request a new teletext page.

2 Press ⊠ (TEXT CL) ⓬.
The TV programme is displayed and the symbol ⊜ is displayed at the top of the page.
Note: When the requested page is available the page number is displayed at the top of the screen.

3 Press ⊜ ⓫ to view the page.

To cancel the request

Display the teletext page, then press ⊜ ⓫. The request is now cancelled. Press ▢ ❸ to resume TV mode.

Using the Favourite Page system

You can store up to four of your favourite teletext pages per programme with the help of the Favourite page system. In this way you have quick access to the pages you watch frequently.

Storing the Favourite Pages

1 Select the page you would like to store using the number buttons ❹.

2 Press ⇢ ⓯ twice.
The colour prompts at the bottom of the screen flash.

3 Press any of the colour buttons ❻ on the Remote Commander to store the selected page.
The page is now stored on this button.

Repeat steps 1 to 3 for the other 3 pages available.

Displaying the Favourite pages

1 Press ⇢ ⓯.

2 Press the colour button ❻ corresponding to the colour prompt onto which the desired page is stored.
The page is requested. (It may take a few seconds to be received).

Note: Step 1 must be taken before every favourite page selection otherwise the normal Fastext facility operates.

Using the Time Function in the TV mode

Press ⊙ ⓬ to request the time. Press again to cancel the request.
Note: This function is available only when teletext is broadcast.

Connecting Other Equipment

You can connect optional audio/video equipment to this TV such as VCRs, video disc players, cameras or stereo systems.

Connector	Acceptable input signal	Available output signal
1 M (AV1/RGB)	Audio/video and RGB signal	Audio/video signal from TV Tuner
2/2 L (AV2/YC2)	Audio/video and S video signal	Audio/video signal from selected source
3/3 G H (AV3)	Audio/video signal	No outputs
3/3 G I (YC3)	Audio/S video signal	No outputs

To watch a video input picture, press ❷ until the desired video input appears.
To return to the normal TV picture, press ❷ repeatedly or press ❸.
If you have a decoder, connect it to 1 M

Connecting a VCR Using the TV Aerial Terminal

Connect the aerial output of the VCR to the aerial terminal K of the TV. It is recommended to tune in the VCR signal to programme number "0". For details, see "Tuning in to Channels Manually" on page 8.

S video input (Y/C input) I L.
Video signals may be separated into Y (luminance or brightness) and C (chrominance) signals.
Separating the Y and C signals prevents them from interfering with each other and therefore improves the picture quality (especially luminance). This TV is equipped with 2 video input terminals through which these signals can be input directly.

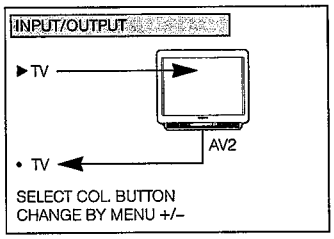
Checking and Selecting the Input and Output Sources Using the Menu

You can display a menu screen to see which input and output source are selected. You can also change the selecting using this menu.

Checking the Input and Output Sources

1 Press MENU ❼.
The MENU screen appears.

2 Press the blue button ⓱ to select INPUT/OUTPUT.
The INPUT/OUTPUT screen appears.



Selecting an Input Signal

Press the red button ⓱ to select INPUT. Press MENU +/– ❾ to select the desired input source.
You can select among the following sources:

TV ⟷ AV1 ⟷ RGB ⟷ AV2 ⟷ YC2 ⟷ AV3 ⟷ YC3

Selecting an Output Signal

The 2/2 connector L outputs the source input from the other connectors. Press the green button ⓱ to select OUTPUT. Press MENU +/– ❾ to select the desired output source.
You can select among the following sources:

TV ⟷ AV1 ⟷ AV2 ⟷ YC2 ⟷ AV3 ⟷ YC3

Note: Press ❼ twice or wait until the menu display disappears automatically to return to the normal screen.

Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control most Sony remote-controlled video equipment such as: Beta, 8 mm or VHS VCRs or video disc players.

Tuning the Remote Comander to the equipment

1 Set the VTR 1/2/3 MDP selector ⓴ according to the equipment you want to control:
VTR 1: Beta or VCR
VTR 2: 8mm VCR
VTR 3: VHS VCR
MDP: Video Disc Player

2 Use the buttons ㉑ to operate the additional equipment.

Notes:
• If your video equipment is furnished with a COMMAND MODE selector: set this selector to the same position as the VTR 1/2/3 MCP selector on the TV Remote Commander.
• If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate
• When you use the ● (record) button, make sure to press this button and the one to the right of it simultaneously.

Using Headphones

You can utilise headphones. Connect them to the headphone jack J, then the sound from the speakers goes off.
Note: You can't control the sound adjustment except for volume.

For your Information

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

No picture (screen is dark), no sound

- Plug the TV in.
- Press ⏻ A on the TV. (If the standby indicator B is lit, press ▭ 3 or any number button 4 on the Remote Commander.)
- Check if the selected video source is on.
- Turn the TV off for three or four seconds and then turn it on again using ⏻ A.

Poor or no picture (screen is dark), but good sound

- Press MENU 7 to enter the MENU screen, and press the red button 17, then adjust ◑ and ☼.

Good picture but no sound

- Press ◿ + 19.
- If 🔇 is displayed on the screen, press 🔇 1.

No colour for colour programmes

- Press MENU 7 to enter the MENU screen, and press the red button 17, then adjust 3.

Remote Commander does not funcion

- Replace the battery.

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

Specifications

This product complies with the EU Directive 89/336/EEC.

Television system I

Colour system PAL
NTSC 3.58 (video input only)
NTSC 4.43 (video input only)

Channel coverage KV-X2102U:
UHF B21-B69
KV-X2102L:
VHF A-C, D-J
UHF B21-B69
Cable channels S1-S20
Hyperband S21-S41

See page 16.

Picture tube Hi-Black Trinitron
Approx. 54 cm (21 inches)
(Approx. 51 cm picture measured diagonally)
100° deflection

Terminals Rear
→ **1** 21-pin Euro connector (CENELEC standard)
– inputs for audio and video
– inputs for RGB
– outputs of TV video and audio
→ **2**/→S **2** 21-pin Euro connector
– inputs for audio and video
– inputs for S video
– outputs for audio and video (selectable)

Front
→ **3** Video input-phono jacks
→ **3** Audio input-phono jacks
→S **3** S video input-4-pin DIN
Ω Headphone jack: stereo minijack

Sound output 2 x 20 W (music power)

Power consumption 117 W

Dimension (W x H x D) Approx. 512 x 449 x 456 mm

Weight Approx. 26,5 kg

Supplied accessories Remote Commander RM-833 (1)
Battery R6 (1)

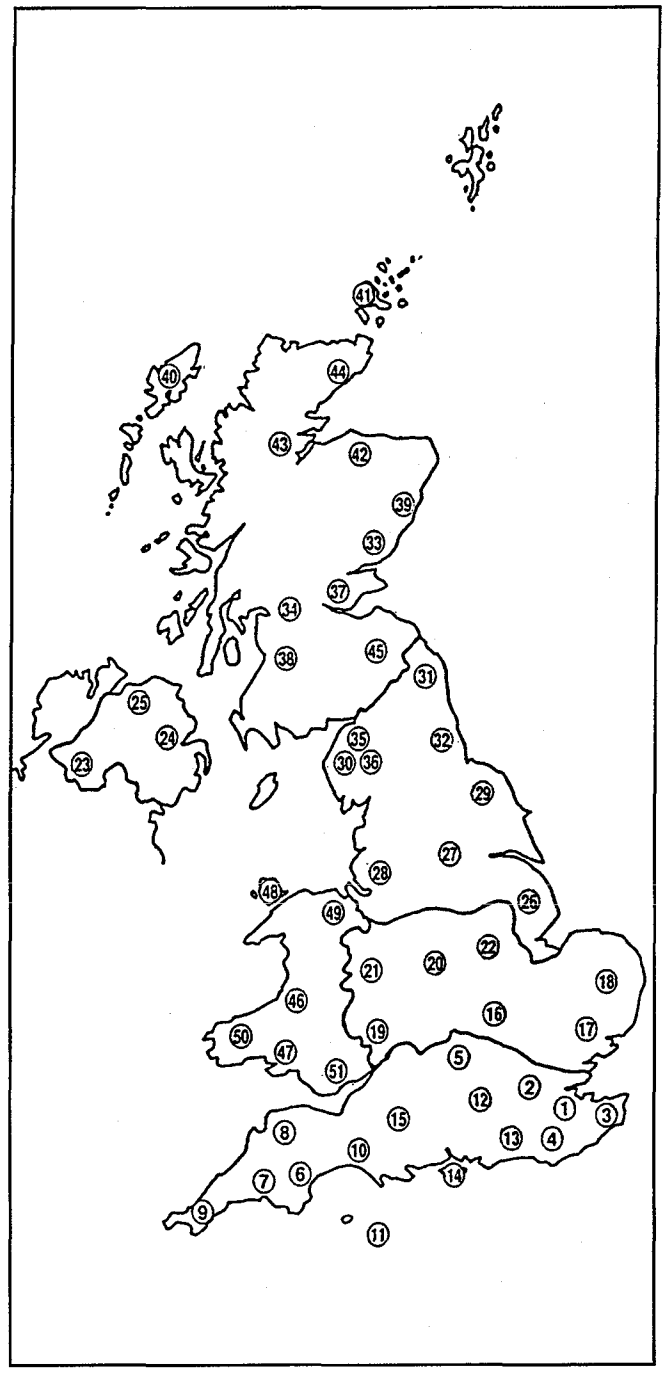
Other features Fastext
NICAM

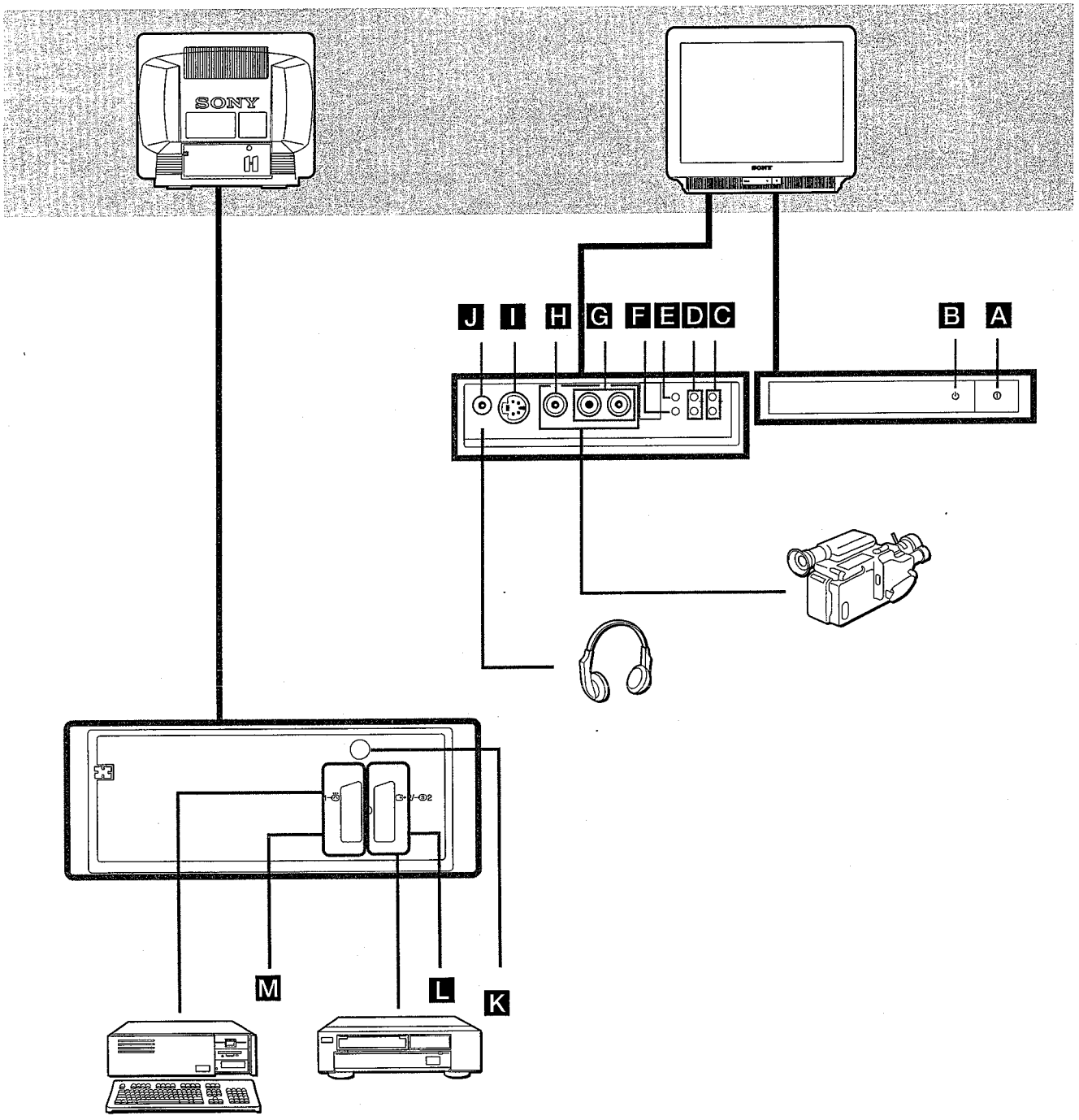
Design and specifications are subject to change without notice.

Revision Channel Number Guide

Only the main transmitters are listed. Information regarding the regional sub-relay channel numbers can be obtained by contacting The BBC Engineering Information Dept. (081) 752 5040.

MAIN TRANSMITTERS	BBC1	BBC2	ITV	CH4
London & South East				
① Bluebell Hill	40	46	43	65
② Crystal Palace	26	33	23	30
③ Dover	50	56	66	53
④ Heathfield	49	52	64	67
⑤ Oxford	57	63	60	53
South-West				
⑥ Beacon Hill	57	63	60	53
⑦ Caradon Hill	22	28	25	32
⑧ Huntshaw Cross	55	62	59	65
⑨ Redruth	51	44	41	47
⑩ Stockland Hill	33	26	23	29
Channel Islands				
⑪ Fremont Point	51	44	41	47
South				
⑫ Hannington	39	45	42	66
⑬ Midhurst	61	55	58	68
⑭ Rowridge	31	24	27	21
West				
⑮Mendip	58	64	61	54
East				
⑯ Sandy Heath	31	27	24	21
⑰ Sudbury	51	44	41	47
⑱ Tacolneston	62	55	59	65
Midlands (West)				
⑲ Ridge Hill	22	28	25	32
⑳ Sutton Coldfield	46	40	43	50
㉑ The Wrekin	26	33	23	29
Midlands (East)				
㉒ Waltham	58	64	61	54
Northern Ireland				
㉓ Brougher Mountain	22	28	25	32
㉔ Divis	31	27	24	21
㉕ Limavady	55	62	59	65
North				
㉖ Belmont	22	28	25	32
㉗ Emley Moor	44	51	47	41
North-West				
㉘ Winter Hill	55	62	59	65
North-East				
㉙ Bilsdale West Moor	33	26	29	23
㉚ Caldbeck	30	34	28	32
㉛ Chatton	39	45	49	42
㉜ Pontop Pike	58	64	61	54
Scotland				
㉝ Angus	57	63	60	53
㉞ Black Hill	40	46	43	50
㉟ Sandale	22	67	–	–
㊱ Caldbeck	–	–	28	32
㊲ Craigkelly	31	27	24	21
㊳ Darvel	33	26	23	29
㊴ Durris	22	28	25	32
㊵ Eitshal (Lewis)	33	26	23	29
㊶ Keelylang Hill	40	46	43	50
㊷ Knock More	33	26	23	29
㊸ Rosemarkie	39	45	49	42
㊹ Rumster Forest	31	27	24	21
㊺ Selkirk	55	62	59	65
Wales				
㊻ Blaenplwyf	31	27	24	21
㊼ Carmel	57	63	60	53
㊽ Llanddona	57	63	60	53
㊾ Moel-y-Parc	52	45	49	42
㊿ Presely	46	40	43	50
(51) Wenvoe	44	51	41	47




SONY
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